

United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection & Quarantine
4700 River Road
Riverdale, MD 20737

Permit to Move Live Plant Pests, Noxious Weeds, and Soil
Interstate Movement
Regulated by 7 CFR 330

This permit was generated electronically via the ePermits system

PERMITTEE NAME:	Erika Rohr Luke	PERMIT NUMBER:	P526P-18-00307
ORGANIZATION:	Marrone Bio Innovations	APPLICATION NUMBER:	P526-180102-042
ADDRESS:	1490 and 1530 Drew Avenue Davis, CA 95618	FACILITY NUMBER:	3576
MAILING ADDRESS:	1530 Drew Avenue Davis, CA 95618	HAND CARRY:	Yes
PHONE:	530-750-2800	DATE ISSUED:	01/26/2018
FAX:		DATE AMENDED:	12/18/2019
DESTINATION:	1490 and 1530 Drew Avenue, Davis, CA 95618	EXPIRES:	01/26/2021
RELEASE:	No		

Under the conditions specified, this permit authorizes the following:

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
Verticillium	Microbial solutions, Mycelia, Pest-infected plant material, Petri dishes/culture tubes, Propagules, Spores	Research - Growth Chamber (lab included)	Continental U.S.	Originally Collected from Within the Continental U.S.	
Verticillium dahliae	Microbial solutions, Mycelia, Pest-infected plant material, Petri dishes/culture tubes, Propagules, Spores	Research - Growth Chamber (lab included)	Continental U.S.	Originally Collected from Within the Continental U.S.	

PERMIT GUIDANCE

Receipt or use of foreign isolates or samples from countries under sanctions requires specific permission from the U.S. Department of Treasury (see <http://www.treasury.gov/resource-center/sanctions/Programs/Pages/Programs.aspx> for current country/regional listings) for current country listings.

This permit does not authorize importation, interstate movement, and/or environmental release of strains of genetically engineered regulated organisms (created by the use of recombinant DNA technology).

If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to

Permit Number P526P-18-00307

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING
PPQ HEADQUARTER OFFICIAL VIA EPERMITS.



Osmond Baron

DATE

12/18/2019

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_anproducts.shtml.

This permit does not fulfill the requirements of other federal or state regulatory authorities. As appropriate, please contact the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, or your States Department of Agriculture to ensure proper permitting.

If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.

PERMIT CONDITIONS

This permit authorizes the interstate movement of pure cultures of the listed organisms or host material infected with pure cultures of the listed organisms from various researchers within the continental United States to Erika Rohr Luke of Marrone Bio Innovations in Davis, California for laboratory and growth chamber research in Containment Facility #3576 (CF#3576).

This permit authorizes the continued curation and laboratory and growth chamber use of the listed organisms, received under prior permit, by Erika Rohr Luke of Marrone Bio Innovations in CF#3576.

1. The permit holder must:
 - (a) comply with all requirements and permit conditions,
 - (b) maintain a valid permit so long as the regulated organisms are alive,
 - (c) this permit cannot be assigned or transferred to other persons.
 - (d) permittee must maintain a residence in the United States
 - (e) safeguard and dispose of the regulated organisms during the term of this permit,
 - (f) take all necessary precautions to prevent the unauthorized release of regulated organisms. In the event of an unauthorized release, the permit holder must notify the permit unit,
 - (g) adequately mitigate environmental impacts resulting from unauthorized release of regulated organisms,
 - (h) contain any/all organisms not authorized under this permit,
 - (i) notify the permit unit of the receipt of unauthorized organisms,
 - (j) notify the permit unit if facilities are destroyed or decommissioned for any reason,
 - (k) maintain an official permanent work assignment at the address on this permit,
 - (l) notify the permit unit in advance of any change in the permit holder's work assignment,
 - (m) destroy all regulated organisms prior to departure unless other arrangements are confirmed by the permit unit prior to the permit holder's departure, and
 - (n) notify the permit unit of the destruction of regulated organisms.

Permit Number P526P-18-00307

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING
PPQ HEADQUARTER OFFICIAL VIA EPERMITS.



Osmond Baron

DATE


12/18/2019

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

Notifications to the permit unit must be made via 866-524-5421 or pest.permits@aphis.usda.gov within one business day of the event triggering a notification.

2. Without prior notice and during reasonable hours, authorized PPQ and/or State regulatory officials shall be allowed to inspect the conditions associated with the regulated organisms authorized under this permit.
3. All organisms must be shipped in packages of such materials and/or construction so as to prevent the unauthorized dissemination or release of regulated articles.
4. Upon receipt, all packages must be opened within a biosafety cabinet, that meets or exceeds Class II, Type A, in the permit holder's assigned laboratory facilities within CF#3576 to ensure the shipment contains only permitted organisms and is free of contaminants. Cultures must be in sealed containers during transport to or within the permit holder's assigned research facilities.
5. Field-collected samples of infected plant material must be bare-root or washed free of soil prior to shipment to the permit holder.
Plant samples deliberately inoculated with these organisms in a controlled environment such as a laboratory, growth chamber, or greenhouse that have been grown in sterilized soil or soilless mix may be shipped to the permit holder with attached soil or growing media.
6. All packaging materials in contact with organisms and/or contaminants and all un-used and leftover organisms must be sufficiently heat or chemically treated to kill all plant pests and contaminants prior to disposal.
7. All research activities, plant inoculations and subsequent disease development must occur in laboratories and growth chambers within CF#3576 that have been inspected and found adequate for containment of the organisms received under this permit. Access to laboratories and growth chambers must be restricted to authorized personnel.
8. Organisms must be maintained or stored in the permit holder's research facilities within CF#3576. All stored organisms must be kept in a locked area with access restricted to authorized personnel.
9. A record must be kept of all organisms maintained under this permit. Minimally this record will consist of the name of the organism identified to the lowest taxon possible, the country where each isolate was collected, and the date the isolate was received. This record will be made available upon request.
10. Upon completion of research, all inoculated plants, plant material, soil and/or growing media must be treated by heat or chemical means sufficient to kill, destroy, or otherwise deactivate plant pathogens. All materials used to conduct research must be decontaminated prior to reuse or disposal.
11. There is to be no further movement or distribution of organisms within the United States and its territories unless the recipient holds a valid permit for receipt of such organisms.

Permit Number P526P-18-00307

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p style="text-align: center;"> Osmond Baron</p>	<p>DATE</p> <p style="text-align: center;">12/18/2019</p>
--	--


WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

12. All persons working with these organisms must be informed of these permit conditions. Anyone working with these organisms must agree to and sign/ initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA/ APHIS but must be readily accessible in the event of an inspection and presented upon request.

Note: these conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized organisms and life stages, release locations if applicable, and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

13. Under the Plant Protection Act, individuals or corporations who fail to comply with these conditions and authorizations, or who forge, counterfeit, or deface permits or shipping labels may receive civil or criminal penalties, and may have all current permits cancelled and future permit applications denied.

END OF PERMIT CONDITIONS

Permit Number P526P-18-00307	
THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.  Osmond Baron	DATE 12/18/2019

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)